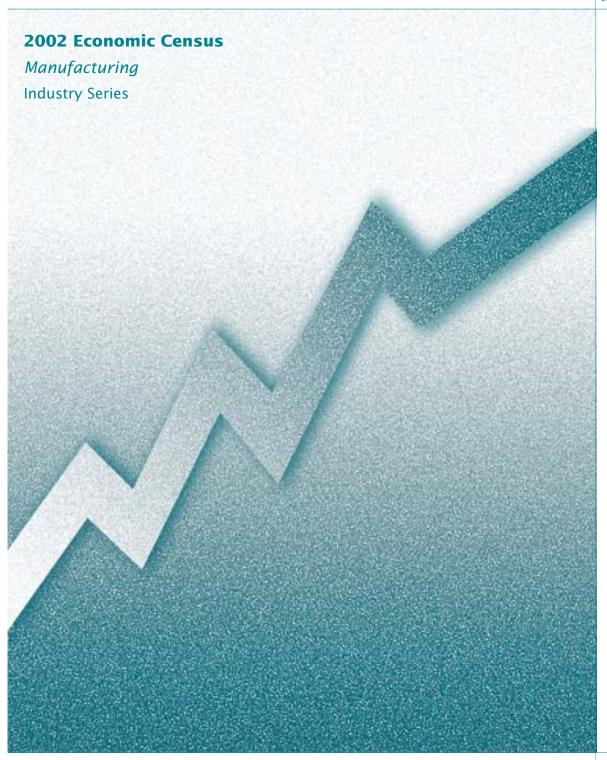
Food Product Machinery Manufacturing: 2002

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U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| | | All | All em | ployees | Pro | duction work | kers | | Total | Total | Total capital |
|--------------------------------|-----------------------------|---------------------------------------|---------------------|----------------------|---------------------|------------------|--------------------|-----------------------------|-----------------------------------|------------------------|------------------|
| Industry and year ¹ | Com- panies ² | estab- lish- ments ³ | Number ⁴ | Payroll (\$1,000) | Number ⁴ | Hours (1,000) | Wages (\$1,000) | Value added (\$1,000) | cost of materials (\$1,000) | shipments | |
| 333294, Food product machinery | | | | | | | | | | | |
| manufacturing2002 | 528 | 549 | 16 237 | 752 506 | 9 227 | 18 223 | 335 964 | 1 697 180 | 1 189 624 | 2 865 973 | r69 634 |
| 2001 2000 | N N | N N | 17 733 18 376 | 704 970 736 348 | 10 382 10 992 | 20 265 21 719 | 325 819 350 687 | 1 410 596 1 519 475 | 1 264 770 1 309 062 | 2 707 791 2 860 402 | 50 249 57 913 |
| 1999 | N | N | 19 102 | 725 190 | 11 506 | 22 098 | 356 461 | 1 592 849 | 1 304 218 | 2 899 710 | 70 573 |
| 1998 | N | N | 19 054 | 728 644 | 11 371 | 22 474 | 363 294 | 1 596 328 | 1 320 428 | 2 906 838 | 61 636 |
| 1997 | 573 | 593 | 18 898 | 711 852 | 11 436 | 22 511 | 353 259 | 1 581 509 | 1 290 673 | 2 857 928 | 79 890 |

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| | | All establi | shments ² | All em | ployees | Pro | oduction wor | kers | | | | |
|---|---|---|---|--|---|--|--|--|--|---|--|--|
| Industry and geographic area | E¹ | Total | With 20 em- ploy- ees or more | Number ³ | Payroll (\$1,000) | Number ³ | Hours (1,000) | Wages (\$1,000) | Value added (\$1,000) | Total cost of materials (\$1,000) | Total value of shipments (\$1,000) | Total capital expendi- tures (\$1,000) |
| 333294, Food product machinery manufacturing | | | | | | | | | | | | |
| United States. California Georgia Idaho Illinois Iowa Kansas Massachusetts Michigan Minnesota New Hampshire | 1 2 1 - 2 1 2 1 2 | 549 72 27 8 38 17 18 8 18 24 | 203 27 9 3 15 11 8 2 3 15 2 | 16 237 1 572 888 136 1 601 835 562 226 229 1 055 117 | 752 506 67 361 40 320 5 197 81 905 40 469 25 313 9 596 8 195 50 838 5 381 | 9 227 957 447 105 970 460 298 151 127 588 55 | 18 223 1 950 915 224 1 878 845 619 295 248 1 182 125 | 335 964 31 518 16 717 3 672 44 816 17 076 9 668 5 620 3 799 20 536 1 994 | 1 697 180 142 225 71 857 6 822 202 176 93 308 58 097 28 217 19 868 81 843 15 051 | 1 189 624 93 917 64 547 7 215 174 185 70 713 34 986 12 928 13 838 121 720 7 097 | 2 865 973 232 028 137 247 15 541 378 406 161 902 94 389 41 167 34 190 203 753 21 976 | r69 634 r15 343 r1 591 r218 r6 266 r3 454 r1 577 r312 r282 r4 692 r109 |
| New Jersey New York North Carolina Ohio Pennsylvania Texas Virginia Washington Wisconsin | 2 2 2 | 14 21 6 23 24 24 7 26 49 | 4 2 4 13 12 6 2 7 23 | 231 231 279 1 396 736 605 208 648 1 815 | 9 654 8 371 12 384 77 533 36 552 23 290 11 677 27 962 80 336 | 142 140 158 654 453 393 83 421 1 055 | 225 204 319 1 280 980 725 189 857 2 060 | 4 328 3 232 5 517 25 563 18 498 11 293 3 620 15 503 37 338 | 20 504 18 592 28 973 208 787 73 030 43 355 25 141 85 263 176 508 | 15 273 14 565 26 933 109 218 45 218 35 579 16 253 47 607 130 131 | 34 668 32 681 56 374 310 619 118 006 78 750 41 670 132 506 308 487 | r447 r970 r688 r5 367 r1 477 r1 474 r734 r2 179 r6 430 |

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Item | Value |
|---|---|
| 333294, Food product machinery manufacturing | |
| Companies ¹ number | 528 |
| All establishments ² | 549 346 160 43 |
| All employees³ number. Total compensation \$1,000. Annual payroll \$1,000. Total fringe benefits \$1,000. | 16 237 907 990 752 506 155 484 |
| Production workers, average for year | 9 227 9 012 9 351 9 373 9 127 |
| Production worker hours | 18 223 335 964 |
| Total cost of materials \$1,000 Materials, parts, containers, packaging, etc., used \$1,000 Resales \$1,000 Purchased fuels \$1,000 Purchased electricity \$1,000 Contract work \$1,000 | 1 189 624 1 005 210 117 235 4 672 15 000 47 507 |
| Quantity of electricity purchased for heat and power. 1,000 kWh. Quantity of electricity generated less sold for heat and power . 1,000 kWh. | 223 729 - |
| Total value of shipments \$1,000. Primary products value of shipments \$1,000. Secondary products value of shipments \$1,000. Total miscellaneous receipts \$1,000. Value of resales \$1,000. Contract receipts \$1,000. Other miscellaneous receipts \$1,000. | 2 865 973 2 347 746 245 211 273 016 173 286 14 868 84 862 |
| Primary products specialization ratio percent. Value of primary products shipments made in all industries \$1,000. Value of primary products shipments made in this industry \$1,000. Value of primary products shipments made in other industries \$1,000. | 91 2 471 317 2 347 746 123 571 |
| Coverage ratio percent | 95 |
| Value added\$1,000 | 1 697 180 |
| Total inventories, beginning of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000. | 484 040 174 555 111 865 197 620 |
| Total inventories, end of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000. | 512 018 179 923 127 328 204 767 |
| Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000 Total capital expenditures (new and used) \$1,000 Buildings and other structures (new and used) \$1,000 Machinery and equipment (new and used) \$1,000 Automobiles, trucks, etc., for highway use \$1,000 Computers and peripheral data processing equipment \$1,000 All other expenditures for machinery and equipment \$1,000 Total retirements \$1,000 Gross value of depreciable assets at end of year \$1,000 | '1 096 876 '69 634 '8 209 '61 425 '5 788 '7 836 '47 801 '54 434 '1 112 076 |
| Depreciation charges during year | r69 540 |
| Total rental payments \$1,000. Buildings and other structures \$1,000. Machinery and equipment \$1,000. | 39 576 30 347 9 229 |
| Total other expenses ⁴ | 198 227 82 12 188 8 075 5 825 3 359 10 166 4 593 1 132 5 524 9 715 137 650 |

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on 2002 Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Employment size class | | | All emp | oloyees | P | roduction worke | ers | | Total | Total | Total |
|---|---------------------------------|--|--|--|---|---|--|--|--|--|--|
| | | All estab- lish- ments ² | Number ³ | Payroll (\$1,000) | Number ³ | Hours (1,000) | Wages (\$1,000) | Value added (\$1,000) | cost of materials (\$1,000) | value of shipments (\$1,000) | capital expendi- tures (\$1,000) |
| 333294, Food product machinery manufacturing | | | | | | | | | | | |
| All establishments | 1 | 549 | 16 237 | 752 506 | 9 227 | 18 223 | 335 964 | 1 697 180 | 1 189 624 | 2 865 973 | ^r 69 634 |
| 1 to 4 employees. 5 to 9 employees. 10 to 19 employees. 20 to 49 employees 10 to 99 employees 100 to 249 employees 100 to 249 employees 500 to 999 employees 1,000 to 2,499 employees 2,500 employees | 7 3 3 1 1 - - | 200 68 78 106 54 40 2 1 | 424 488 1 100 3 233 3 517 i f f | 18 983 21 745 47 914 134 208 142 818 D D | 245 270 687 1 997 2 066 D D | 423 527 1 331 3 854 4 168 D D | 8 474 9 226 23 716 62 669 67 710 D D | 37 263 51 015 95 831 259 938 316 899 D D | 29 770 37 266 72 123 219 251 213 223 D D | 67 001 88 125 167 195 479 174 530 835 D D D | r1 148 r1 606 r5 007 r14 697 r10 859 D D |
| Administrative records ⁴ | 9 | 190 | 592 | 26 288 | 347 | 620 | 11 838 | 49 367 | 37 891 | 87 253 | ^r 1 455 |

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

| Industry or product class code | Industry or primary product class | A.II | All em | ployees | Pr | oduction work | ers | | Total | Total | Total capital |
|--------------------------------|---|--|---------------------|----------------------|---------------------|------------------|--------------------|-----------------------------|-----------------------------------|------------------------------------|--------------------------------|
| | | All estab- lish- ments ¹ | Number ² | Payroll (\$1,000) | Number ² | Hours (1,000) | Wages (\$1,000) | Value added (\$1,000) | cost of materials (\$1,000) | value of shipments (\$1,000) | expendi- tures (\$1,000) |
| 333294 | Food product machinery manufacturing | 549 | 16 237 | 752 506 | 9 227 | 18 223 | 335 964 | 1 697 180 | 1 189 624 | 2 865 973 | ^r 69 634 |
| 3332941 3332943 | Dairy and milk products plant machinery and equipment (except bottling and packaging) | 21 | 1 511 | 67 088 | 1 045 | 2 012 | 39 045 | 169 092 | 180 039 | 357 983 | ^r 5 639 |
| 3332945 | machinery and food cooking and warming equipment) | 111 | 5 905 | 270 761 | 3 312 | 6 744 | 122 695 | 590 214 | 440 995 | 1 020 913 | r19 831 |
| | fowl feed | 138 | 7 181 | 341 060 | 3 901 | 7 642 | 140 561 | 802 665 | 463 108 | 1 245 599 | r36 199 |

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Products Statistics: 2002 and 1997 Table 6a.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Product | | Number of companies with | | Product shipments | |
|-----------------|--|--------------------------------------|---|----------------------------|------------------------------|
| Product code | Product | shipments of \$100,000 or more | Quantity of production for all purposes | Quantity | Value (\$1,000) |
| 333294 | Food product machinery manufacturing | ZZ | X | X | 2 471 317 2 564 441 |
| 3332941 | Dairy and milk products plant machinery and equipment (except bottling and packaging) | N | x | × | 299 167 |
| 33329411 | Dairy and milk products plant machinery and equipment (except bottling and packaging) | N N | X X | x x | 285 898 299 167 |
| 3332941121 | Industrial machinery and equipment for treating milk and dairy products by means of a change in temperature | N 18 | x x | x x | 282 408 215 863 |
| 3332941142 | Other dairy and milk products plant machinery and equipment | N 22 | x x | x x | N 44 487 |
| 3332941171 | Parts and attachments for dairy and milk products plant machinery and equipment (except bottling and | N | X | X | N |
| 3332941Y | packaging) | 14 13 N | X | X | 38 817 40 296 |
| 3332941YWV | Dairy and milk products plant machinery and equipment (except bottling and packaging), nsk | N | X | X | 3 490 |
| 3332943 | 1997 | N N | X | × | 3 490 |
| 3332943 | Commercial food products machinery (except packaging machinery and food cooking and warming equipment) | N N | x | X | 994 839 943 885 |
| 33329431 | Commercial food products slicers | N | X X X X | X X X X | 88 113 |
| 3332943111 | 1997 Commercial food products slicers | N 12 | Š | X X X | 98 212 88 113 |
| 33329432 | Commercial food products choppers, grinders, cutters, dicers, and similar machines | 15 N | X X | X X X | 98 212 110 663 159 683 |
| 3332943221 | Commercial food products choppers, grinders, cutters, dicers, and similar machines | N 35 36 | × | × | 110 663 159 683 |
| 33329433 | Commercial food products mixers and whippers (except drink mixers) | 36 N N | × | × | 88 372 89 555 |
| 3332943331 | Commercial food products mixers and whippers (except drink mixers) | 15 | x | x | 88 372 |
| 33329434 | Other commercial food preparation machines, including tenderizers (power-driven) (except packaging machinery and food cooking and warming equipment) | 15 N | X | x x | 89 555 135 810 |
| 3332943441 | Other commercial food preparation machines, including tenderizers (power-driven) (except packaging machinery and food cooking and warming equipment) | N 37 | × | x x | 156 499 135 810 |
| 33329435 | Parts and attachments for commercial food preparation machines (except packaging machinery and food cooking and warming equipment) | 40 N | × | x x | 156 499 169 581 |
| 3332943551 | Parts and attachments for commercial food preparation machines (except packaging machinery and food cooking and warming equipment) | N 51 | × | X X | 120 384 169 581 |
| 33329436 | Industry bakery machinery and equipment | 43 N | X X X X X | XX | 120 384 374 424 |
| 3332943661 | 1997 Industrial bakery dough mixers, dividers, and molders | N 16 | X | X | 285 027 77 069 |
| 3332943671 | 1997 Industrial bakery bake ovens (including traveling tray) | 19 17 20 | X X X | X X X X X X | 76 908 83 008 91 531 |
| 3332943681 | Industrial rolling machines, including pastry machines for the manufacture of bakery products | 5 5 | X | X X X | 15 028 9 187 |
| 3332943691 | Other industrial bakery machinery and equipment | 42 31 | X | X X | 199 319 107 401 |
| 3332943Y | Commercial food products machinery (except packaging machinery and food cooking and warming equipment), nsk | N N | X | X | 27 876 34 525 |
| 3332943YWV | Commercial food products machinery (except packaging machinery and food cooking and warming equipment), nsk | N | x | × | 27 876 |
| 3332945 | Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal and fowl feed | N N | × | x x | 34 525 990 340 |
| 33329451 | Other industrial food and feed machinery | N N | X | X | 1 089 558 458 199 |
| 3332945101 | Industrial presses, crushers, and similar machinery used in the production of wine, cider, fruit juices, and similar | Ñ | X | × | 532 834 |
| 3332945111 | beverages | 13 13 | X | × | 48 547 54 316 |
| 0000045440 | vegetables, and nuts (not including the extraction or preparation of fixed vegetable oils) | 18 9 | X | X | 34 383 13 553 |
| 3332945116 | Industrial machinery and equipment for freezing and rapid chilling of food products | 10 | X | X | 18 174 |
| 3332945121 | 1997 | 17 7 7 | X X X | X X X | 26 892 9 332 30 576 |
| 3332945131 | Other industrial machinery and equipment, for treating food products by a process involving a change in temperature (including cooking and roasting) | 21 | × | | 69 033 |
| | (including cooking and roasting) | 28 | â l | X X | 85 670 |

See footnotes at end of table.

Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| | | Number of companies with | | Product s | Product shipments | |
|-------------------------------|--|--------------------------------------|---|-------------|-----------------------------|--|
| Product code | Product | shipments of \$100,000 or more | Quantity of production for all purposes | Quantity | Value (\$1,000) | |
| 333294 3332945 33329451 | Food product machinery manufacturing—Con. Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal and fowl feed—Con. Other industrial food and feed machinery—Con. | | | | | |
| 3332945135 | Industrial machines for cleaning, sorting, or grading seed, grain, and dried leguminous vegetables | 11 6 | X | × | 20 662 16 201 | |
| 3332945141 | Other industrial machinery used in the milling industry and for working of cereals and dried leguminous vegetables | 3 | x | х | D | |
| 3332945151 | Other industrial machinery for the extraction and preparation of animal and fixed vegetable fats and oils | 3 | X X | X X | 1 999 D | |
| 3332945161 | 1997 Other industrial food and feed products machinery | 4 46 66 | X X X | X X X | 8 179 243 310 295 448 | |
| 33329452 | Other industrial machinery for sorting, grading, and cleaning fruits, vegetables, and eggs and other machinery for processing and preparing meat and poultry | N | x | x | 284 395 | |
| 3332945206 | Industrial machinery for sorting, grading, and cleaning | N | x | Х | 297 454 | |
| 3332945208 | fruits, vegetables, and eggs | 23 30 | X | X | 74 887 98 395 | |
| | and preparing meat and poultry (excluding the extraction and preparation of oils) | 39 37 | X X | X X | 209 508 199 059 | |
| 33329453 | Parts and attachments for industrial food and feed products machinery | N | x | x | 169 783 | |
| 3332945371 | Parts and attachments for bakery furnaces and ovens | N 5 4 | X X X | X X X | 188 311 6 767 3 694 | |
| 3332945376 | Parts and attachments for presses, crushers, and similar machinery used in the production of wine, cider, fruit juices, and similar beverages | 2 6 | x | x | 766 | |
| 3332945381 | Parts and attachments for sorting, grading, and cleaning fruits, vegetables, and eggs | 6 | x x | x x | 4 480 5 224 | |
| 3332945392 | Other parts and attachments for industrial food products machinery | 11 | x x | x x | 17 669 157 026 | |
| 3332945Y | Industrial machinery and equipment for manufacturing or | N | X | Х | N | |
| 3332945YWV | processing foods, beverages, and animal or fowl feed, nsk | N N | X | X | 77 963 70 959 | |
| | processing foods, beverages, and animal or fowl feed, nsk | N N | X X | X X | 77 963 70 959 | |
| 333294W | Food product machinery manufacturing, nsk, total | N N | X X | X X | 186 971 245 100 | |
| 333294WY | Food product machinery manufacturing, nsk, total | N N | x x | X X | 186 971 245 100 | |
| 333294WYWW | Food product machinery manufacturing, nsk, for nonadministrative-record establishments | N N | X X | X X | 100 563 110 214 | |
| 333294WYWY | Food product machinery manufacturing, nsk, for administrative-record establishments | N N | X X | X X | 86 408 134 886 | |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

| NAICS product class code | Product class and geographic area | Value of product shipments (\$1,000) |
|--------------------------|---|--|
| 3332941 | Dairy and milk products plant machinery and equipment (except bottling and packaging) | |
| | United States | 299 167 |
| | 1997 Minnesota | 285 898 43 481 19 908 |
| | 1997. Wisconsin | 19 908 96 298 93 574 |
| 3332943 | Commercial food products machinery (except packaging machinery and food cooking and warming equipment) | |
| | United States | 994 839 |
| | 1997 | 994 839 943 885 68 055 37 962 |
| | 1997 Georgia | 37 962 71 027 |
| | 1997 Illinois | 71 027 69 139 189 707 |
| | 1997 lowa | 184 291 23 446 |
| | 1997 Kansas 2002. | 18 065 10 738 N |
| | 1997. New Jersey 2002. | N 20 005 |
| | 1997 | 30 885 32 020 7 951 48 604 24 980 53 248 |
| | New York | 7 951 48 604 |
| | North Carolina | 24 980 53 248 |
| | Ohio | 110 531 143 313 |
| | Pennsylvania | 35 319 27 163 27 089 |
| | Texas | 27 089 17 090 |
| | Washington | 17 090 57 227 44 032 |
| | Wisconsin | 21 788 N |
| 3332945 | Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal and fowl feed | |
| | United States | 990 340 |
| | 1997. California | 990 340 1 089 558 99 592 156 189 47 775 64 306 40 879 |
| | 1997 Florida | 156 189 47 775 |
| | 1997 Georgia | 64 306 40 879 |
| | 1997 Illinois | 89 024 36 357 |
| | 1997 lowa | 46 119 88 521 |
| | 1997 Kansas | 40 879 89 024 36 357 46 119 88 521 78 699 70 985 3 423 6 336 34 722 |
| | 1997. Michigan | 70 985 |
| | Minnesota | 6 336 |
| | 1997 | 34 722 31 884 22 737 |
| | North Carolina | N |
| | Ohio | 131 739 101 442 38 179 40 176 41 818 36 235 62 809 |
| | Pennsylvania | 38 179 40 176 |
| | Texas | 41 818 36 235 |
| | Washington | 62 809 36 830 |
| | Wisconsin | 106 630 51 557 |

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

| Material code | Material consumed | Quantity | Delivered cost (\$1,000) |
|---------------|--|-----------------------|-----------------------------|
| 333294 | Food product machinery manufacturing | | |
| 00900001 | Total materials | х | 1 005 210 |
| 33399601 | Fluid power pumps, motors, and hydrostatic transmissions (hydraulic and pneumatic) | X | 1 091 528 12 261 |
| 33391103 | 1997 All other pumps | X X X X X | 9 007 4 428 13 329 |
| 33291207 | Fluid power valves (hydraulic and pneumatic) | | 8 347 |
| 33399501 | Fluid power cylinders and rotary actuators (hydraulic and pneumatic) | X | 9 544 3 913 |
| 33291203 | Fluid power hose and tube fittings and assemblies (hydraulic and pneumatic) | × × × × × | 3 984 4 732 4 938 |
| 33399901 | Fluid power filters (hydraulic and pneumatic) | X | 1 543 |
| 00190089 | Other fluid power products, hydraulic and pneumatic | X X X | 1 786 3 059 |
| 332000A1 | Metal tanks, heat exchangers, steam condensers, and other boiler products (fabricated steel | | 2 186 |
| | plate, and weldments) | X | 37 760 40 912 |
| 33200059 | All other fabricated metal products (excluding forgings) | X | 77 073 68 858 |
| 33210000 | Forgings | ŝ | 4 094 |
| 33151001 | Iron and steel castings (rough and semifinished) | × × × × × | N 17 357 23 679 |
| 33152005 | Aluminum and aluminum-base alloy castings (rough and semifinished) | X | 8 767 20 989 |
| 33152003 | Other nonferrous metal castings, rough and semifinished (including aluminum and aluminum- | | 4 632 |
| 33120007 | base alloy) | X X X | 4 716 38 358 49 466 |
| 33120016 | Steel sheet and strip (including tinplate) | x | 34 847 |
| 33120033 | All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) | X | N 15 948 |
| 33131500 | 1997 Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing | × × × × × | 15 089 9 456 |
| | 1997 | X | N |
| 33100055 | All other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) | X | 2 207 2 838 |
| 33100077 | Other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal | | 9 854 |
| 00504005 | products) | X X X | 12 524 |
| 33531225 | Fractional horsepower electric motors and generators (less than 1 hp) | X | 9 294 N |
| 33531221 | Integral horsepower electric motors and generators (1 hp or more) | × | 13 969 18 091 |
| 33299101 | Ball and roller bearings (mounted or unmounted) | ŝ | 12 247 12 310 |
| 33361200 | Mechanical speed changers, gears, and industrial high-speed drives | × × × × × | 13 163 21 821 |
| 001900B1 | Electrical transmission, distribution, and control equipment | X X | 31 705 43 307 |
| 33100038 | Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) | | D |
| 32192001 | Wood boxes, pallets, skids, and containers | X X X | N 4 275 5 990 |
| 33100082 | Other nonferrous metal shapes and forms (excluding aluminum and aluminum-base alloy and copper-base alloy castings, forgings, and fabricated metal products) | y | D |
| 00970099 | All other materials and components, parts, containers, and supplies | X X X X X | N 223 611 |
| 00971009 | Materials, ingredients, containers, and supplies | \$ | 422 007 397 441 |
| 00371000 | Materials, Ingredients, containers, and supplies, risk | â | 284 157 |

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.